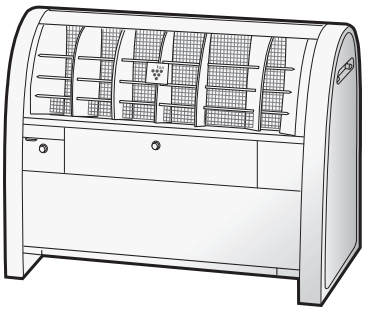
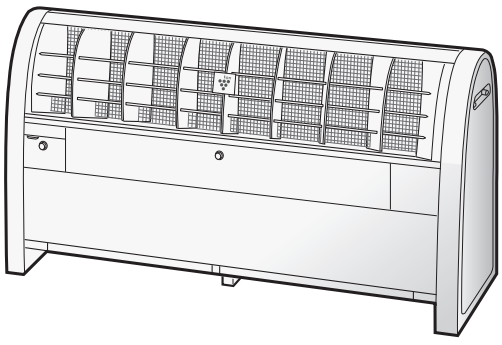
SHARP

Plasmacluster is a trademark of SHARP Corporation.

IG-A20E
IG-A40E



IG-A20E



IG-A40E

プラズマクラスターイオン発生機 取扱説明書

Plasmacluster Ion Generator OPERATION MANUAL

Plasmacluster-Ionen-Generator BEDIENUNGSANLEITUNG

Générateur d'ions Plasmacluster MODE D'EMPLOI

Plasmacluster Ion Generator BEDIENINGSHANDLEIDING

Ионный генератор Plasmacluster РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ

日本語
ENGLISH
DEUTSCH
FRANÇAIS
NEDERLANDS
РУССКИЙ

この取扱説明書をよくお読みのうえ、正しくお使いください。
Read and keep this manual carefully.
Bitte lesen Sie diese Anleitung und bewahren Sie sie auf.
Veuillez lire et enregistrer ces instructions.
Lees en bewaar deze instructies.
Прочтите данное руководство и сохраните его.

SHARP

SHARP CORPORATION
Osaka, Japan

Printed in Japan
TINS-A390KKRZ 09JK (JP) ①

ENGLISH

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- While IG-A20E and IG-A40E can inactivate suspended viruses and other contaminants, it cannot create a completely sterile environment. SHARP does not guarantee its ability to prevent microbial infection.
- To enable stable emission of high-density Plasmacluster ions, the Plasmacluster Ion Generating Unit mounted in IG-A20E and IG-A40E have to be replaced periodically*.

* Replacement is required approximately every 2 years (17,500 hours) when operated 24 hours a day. IG-A20E and IG-A40E will stop operating after about 26 months (19,000 hours) if the Plasmacluster Ion Generating Unit is not replaced.

Thank you for purchasing this SHARP Plasmacluster Ion Generator. Please read this manual carefully before using Plasmacluster Ion Generator.
After reading, keep the manual in a convenient location for future reference.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING - To reduce the risk of electric shock, fire, or injury :

- Read all instructions before using the unit.
- Use only a 220-240 volt outlet.
- DO NOT use the unit if the power cord or plug is damaged, or the connection to the wall outlet is loosened.
- Periodically remove dust from the plug.
- DO NOT insert fingers or foreign objects into the air intake or air outlet.
- Always hold the plug and never pull on the cord when removing the power plug. Electric shock and/or fire from a short circuit may result.
- DO NOT remove the plug when your hands are wet.
- DO NOT use the unit near gas appliances or fireplaces.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, a Sharp authorized Service Center or qualified person in order to avoid a hazard.
- Be cautious when cleaning the unit. Strong corrosive cleansers may damage the exterior.
- DO NOT use it in the areas where the unit may get wet.
- DO NOT use spray products near the unit.
- DO NOT use in the rooms, containing oil component, incense, cigarettes' sparks, and chemical fumes.
- DO NOT operate when using aerosol insecticides or in rooms where there is oily residue, incense, sparks from lit cigarettes, chemical fumes in the air, or in locations where the unit may get wet, such as bathroom.
- DO NOT use these silicone-containing products in the room where the unit is installed.
- Only a Sharp authorized Service Center should service this Plasmacluster Ion Generator. Contact the nearest Service Center for any problems, adjustments, or repairs.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not ride on the main unit and do not sit on or lean it, it may cause injury or malfunction.

CAUTIONS CONCERNING OPERATION:

- DO NOT block the air intake and/or air outlet.
- DO NOT use the unit near or on hot objects, such as stoves or heaters or where it may come into contact with steam.
- Always operate the main unit in an upright position. Always unplug the unit before cleaning.
- Clean the exterior with a soft cloth only, otherwise the main unit surface may be damaged or cracked.
- Keep the main unit away from water.

INSTALLATION GUIDELINES:

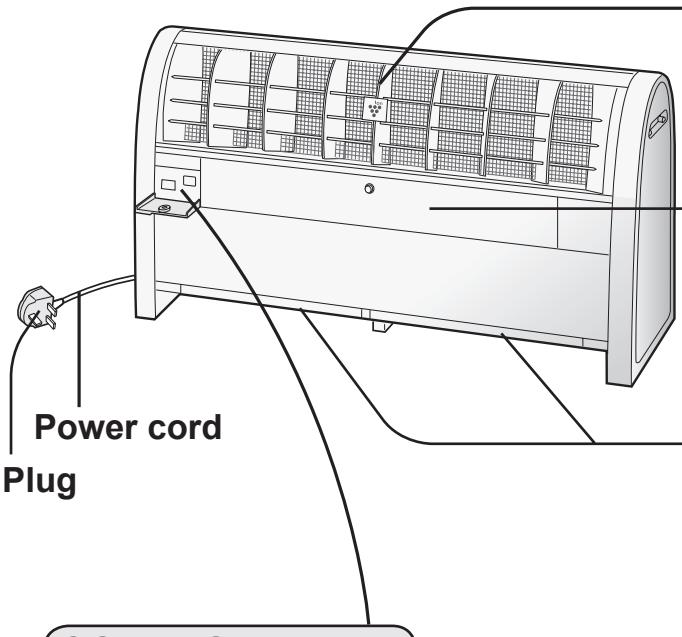
- Place at least 2m away from equipment utilizing electric waves such as televisions or radios to avoid electrical interference when using the unit.
- Avoid using in locations where the unit is exposed to condensation or drastic temperature changes. Appropriate room temperature is between 0-35ºC.
- Avoid locations where grease or oily smoke is generated, otherwise the main unit surface may crack as a result.

NOTE - Radio or TV Interference:

If this Plasmacluster Ion Generator may cause interference to radio or television reception, try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the unit and radio/TV receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

PARTS NAME



Louvers
(Air outlet of Plasmacluster Ion)
High density Plasmacluster Ion is discharged forward. (Do not put anything in front of the unit.)

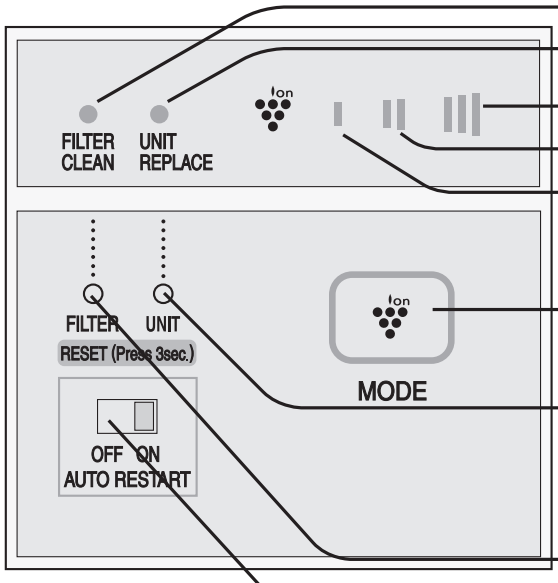
Plasmacluster Ion Generating Unit
(Inside)
Please open the cover only when replacing the Plasmacluster Ion Generating Unit.
(See page E-9)

Power cord

Plug

Filter (Air Intake)
*Clean the filter periodically.
*Do not block the air intake or do not put anything into the unit.

CONTROL PANEL



FILTER CLEAN Light (yellow)

UNIT REPLACEMENT Light (red)

HIGH
MED
LOW
Fan Speed Indicator (blue)

OPERATION Button

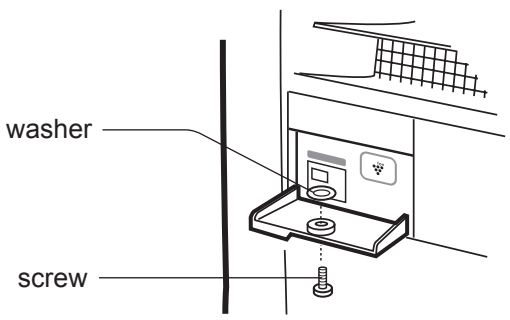
UNIT RESET Button
Press this button for 3 seconds after replacing the Plasmacluster Ion Gennerating Unit.
Don't press it for any other purposes.

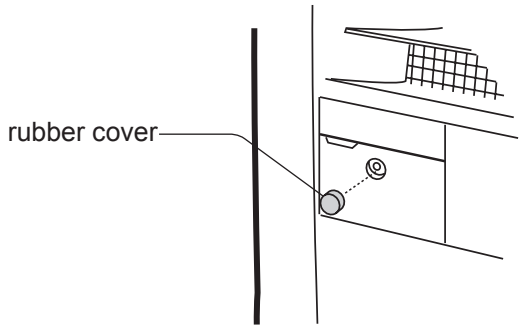
FILTER RESET Button
After cleaning the filter, plug the power cord and press the FILTER RESET button for 3 seconds.

AUTO RESTART Switch

FIX THE OPERATION COVER BY SCREW

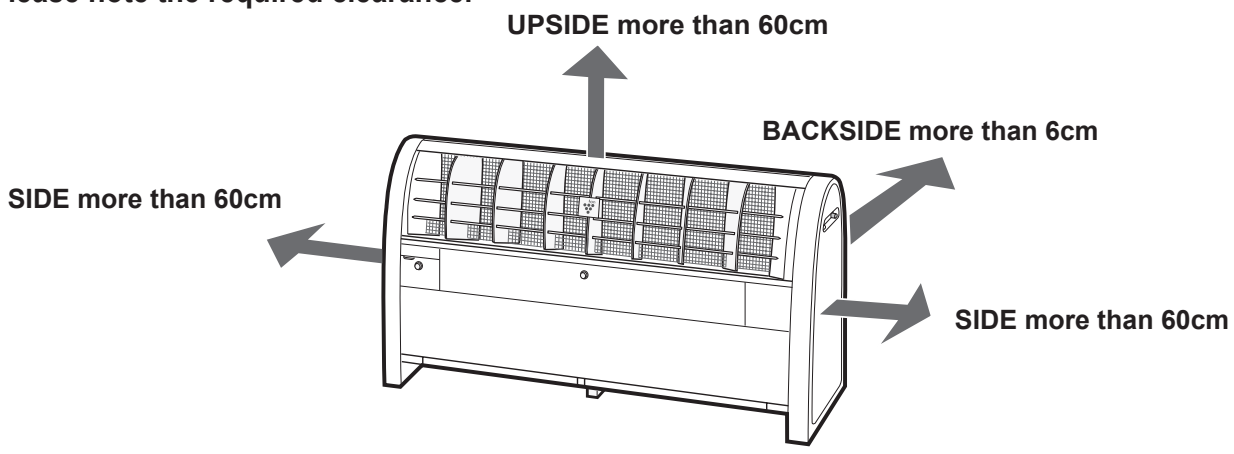
If necessary, operation cover can be fixed by accessary screw.





INSTALLATION POSITION

Place the main unit on a smooth, stable surface in a room, and insert the plug into an outlet. Please note the required clearance.



Installation Guidance

- To secure the performance, do not put anything in front of the unit.
- To secure the performance, do not block the air intake or do not put anything into the unit.
- If necessary, unit is fixed to the wall using accessary parts or fixed by anchor bolt see page E-5.

DO NOT USE the below items near the unit.
silicone-containing products*

SPRAY

WAX

PESTICIDES

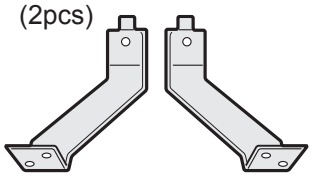
*Hair care products, cosmetic products, water proof sprays, polish glass cleaner, wipe and wax.

ACCESSORIES

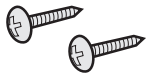
- **Operation manual**
- **Tip-resistant kit**
- **Screw kit**

Tip-resistant kit
(In case of fixing the main unit to the wall)

mounting parts for wall (2pcs)

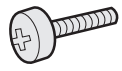


screw for the main unit (2pcs)



Screw kit for operation cover

screw (1pc)



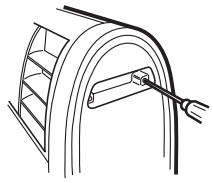
rubber cover (1pc)

washer (1pc)

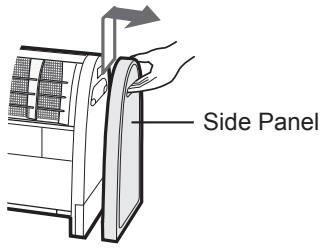
Anchor bolt, nut, and washer for fixing to the floor and screw for the wall for fixing to the wall are not included as accessory parts.

HOW TO INSTALL THE UNIT

1 Unscrew the painted screws (2 pcs on each side).



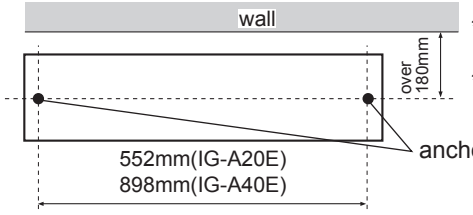
2 Lift up the Side Panel and remove it outward.



ENGLISH

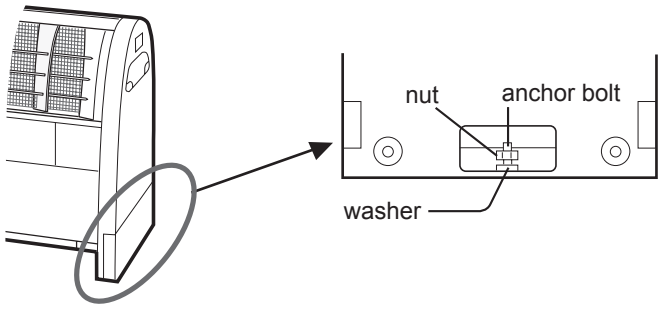
3 In case of fixing the main unit to the floor by anchor bolts.

Measure the position of the anchor bolts and fix them to the floor.



* The height of the anchor bolt is 25mm or less.
* Size of anchor bolt diameter is 8mm or less.

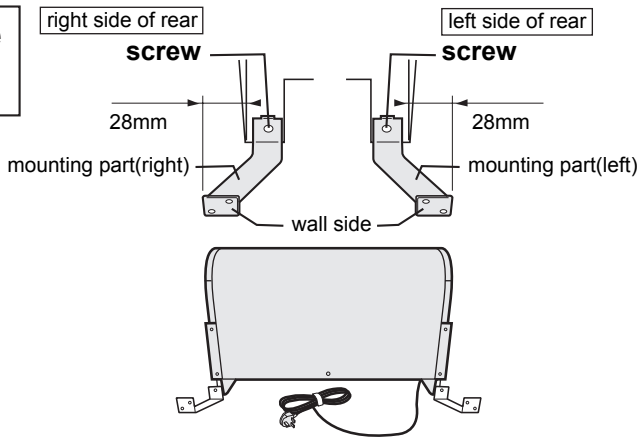
Put the main unit on the anchor bolts and tighten surely with washer and nut.



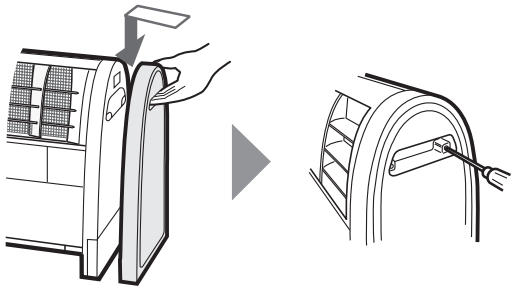
In case of fixing the main unit to the wall with the mounting parts.

Fix the mounting parts to the main unit by screws. (Right and left side)
The mounting parts and screws are accessory parts. (Each 2 pcs)

Screws are to be surely tightened.
* Depending on the material of the wall, it may not be able to tighten.



4 Attach the Side Panel and screw the painted screws on both sides.

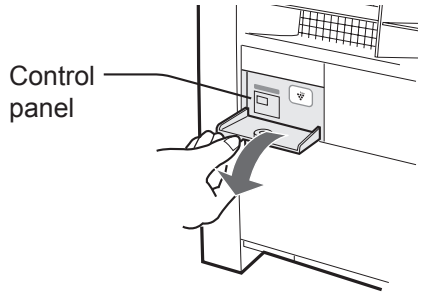


OPERATION

*This operation manual is based on IG-A40E.
The operation is same as IG-A20E.

Open the cover of Control Panel.

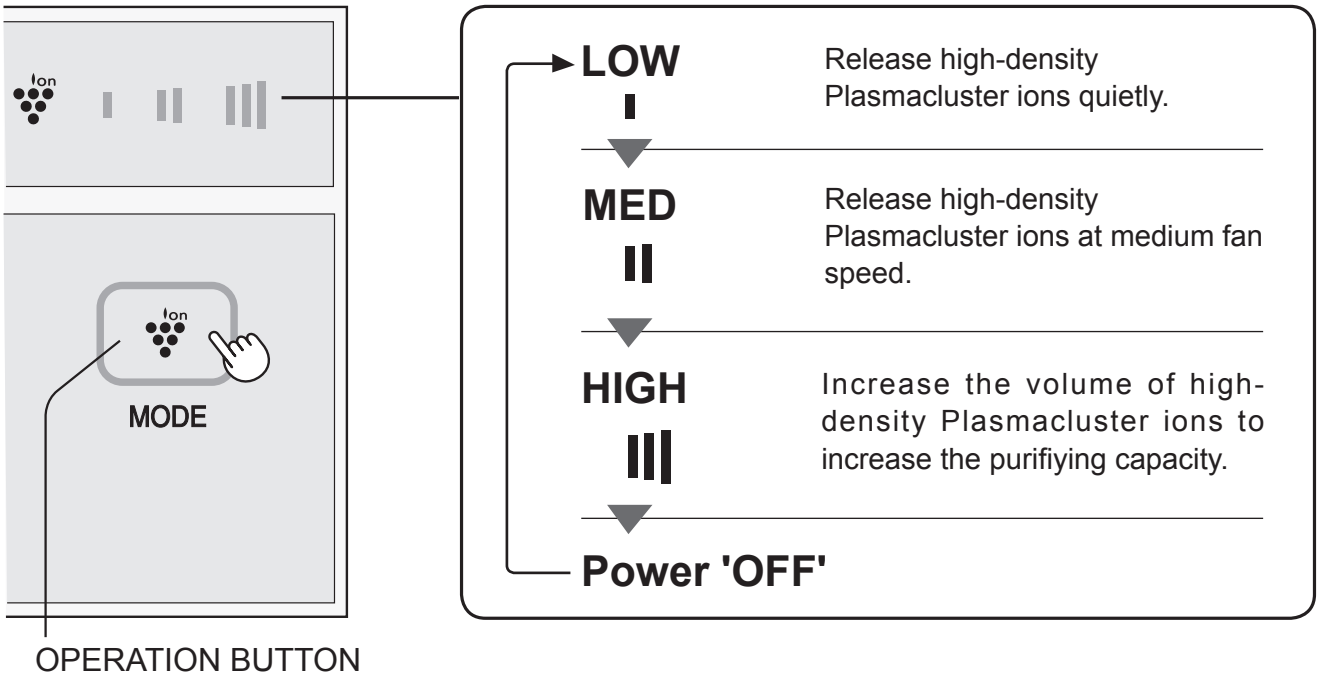
In case that the cover is fixed by a screw, take out the rubber cover and a screw, and open the cover of control panel.



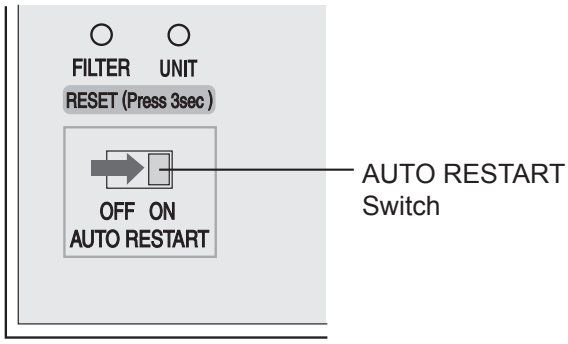
Fix the cover of Control Panel.

As necessary, screw down the cover with the provided screw and the washer and fit in the rubber cover.
(Please see Page E-3)

Press the Operation Button to select the preferred mode.



AUTO RESTART



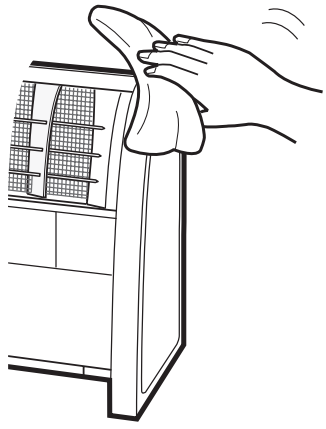
If the AUTO RESTART switch is set to "ON" and the unit is accidently unplugged, the circuit breaker trips of there is a power failure, the unit will automatically start operation at the previous setting power is restored.

CLEANING AND MAINTENANCE

WARNING:
When cleaning the unit, be sure to first unplug the power cord, and never handle the plug with wet hands.
Electric shock and/or bodily injury may occur as a result.

Main Unit

Every month or more often if necessary.



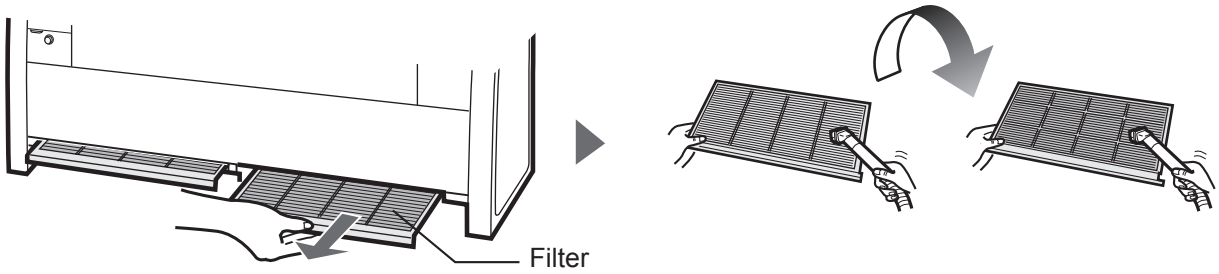
Wipe with a dry soft cloth.

<For Stubborn Dirt>
Use water and a mild detergent.
And then, wipe with a wet cloth.
Make sure to dry out .

FILTER

Every 2 weeks or more often if necessary.

FILTER CLEAN Light will be lit after approx. 1 month (approx. 720 hours), when operated 24 hours a day.
Pull out the filter from bottom of the main unit and remove dust by using a vacuum cleaner or similar tools.



IG-A20E Filter (1pc)
IG-A40E Filter (2pcs)

* A filter is not disposable item, often clean the filter.

- When the filter is very dirty, please wash with water or using mild kitchen detergent.

CAUTION

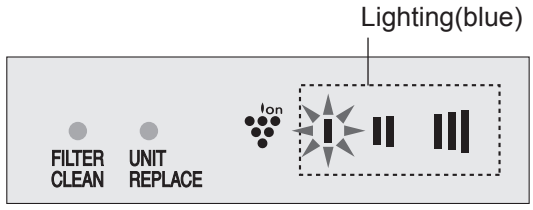
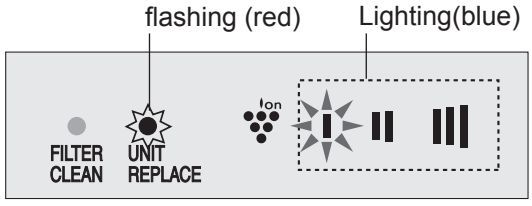
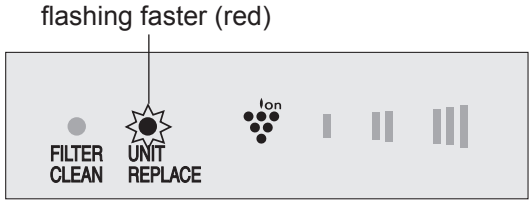
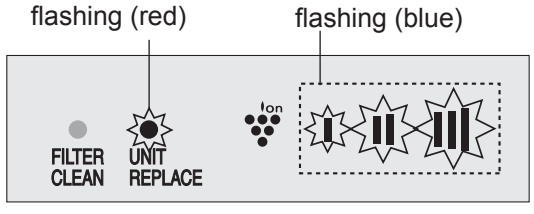
- Do not rub with a hard sponge and do not bend it when washing.
- Avoid drying filters outdoors under sunlight or using near a stove.

FILTER RESET Button

After cleaning, insert the plug and press RESET Button for 3 seconds.

PLASMACLUSTER ION GENERATING UNIT REPLACEMENT

In order to release Plasmacluster Ion stably, periodical replacement of Plasmacluster Ion Generating Unit is necessary. The Unit Replacement Light will be ON as a reminder for replacement.

Elapsed Time	Display	Message
Beginning to use.		Operate normally
Approx. 2 years. (approx. 17,500hours)		Suggest replacing Plasmacluster Ion Generating Unit.
Approx. 2 years and 2 months. (approx.19,000hours)		•Unit has stopped working. •Replace the Plasmacluster Ion Generating Unit.
Plasmacluster Ions are not released.		Error*

*Usage environment affects the lifetime of the Plasmacluster Ion Generator.
The Plasmacluster Ion Generator may stop working before estimated lifetime.
In this case, press Operation Button again and restart.
If this does not help, replace with a new Plasmacluster Ion Generating Unit.

Plasmacluster Ion Generating Unit for Replacement

Plasmacluster Ion Generating Unit	
Model Number	IZ-CA40E (for IG-A40E) IZ-CA20E (for IG-A20E)

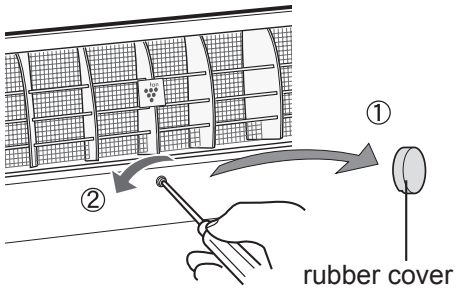
<For Disposal>

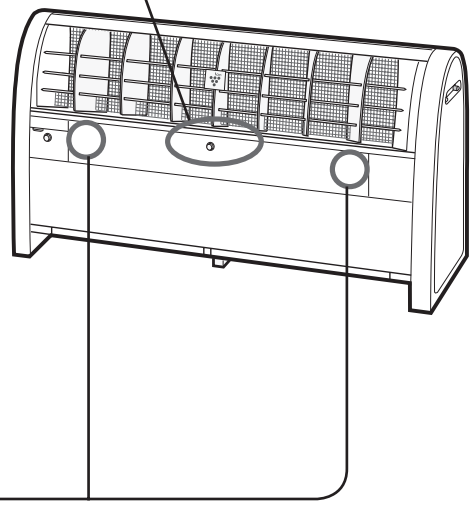
Please dispose the used Plasmacluster Ion Generating Unit according to any local laws and regulations.
-materials-
•Case: Acrylonitrile Butadiene Styrene (ABS)
•Unit: Polybuthylene Terephthalate (PBT), Electric parts.

HOW TO REPLACE THE PLASMACLUSTER ION GENERATING UNIT

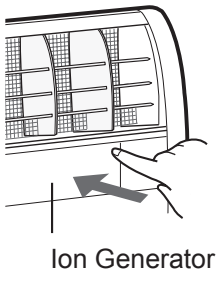
***When replacing the Plasmacluster Ion Generating Unit, be sure to turn off the main unit, unplug the power cord, and never handle the plug with wet hands.**

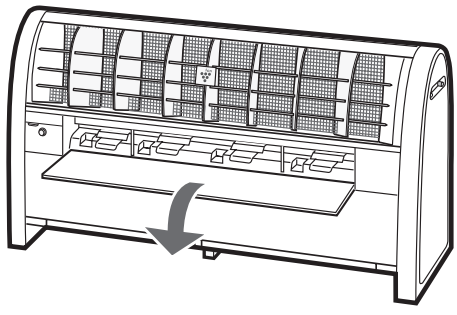
1 **Remove the rubber cover and unscrew the center screw of the Ion Generator Cover.**





2 **Push the both corner of Ion Generator Cover and open it.**
(IG-A40E only)

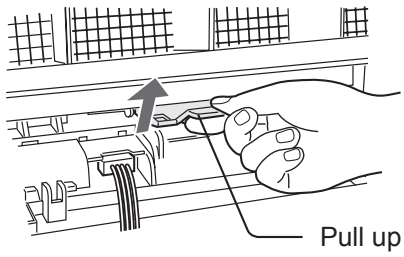




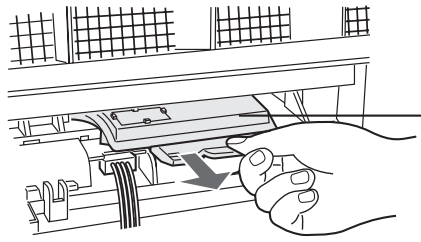
(see next page)

HOW TO REPLACE THE PLASMACLUSTER ION GENERATING UNIT

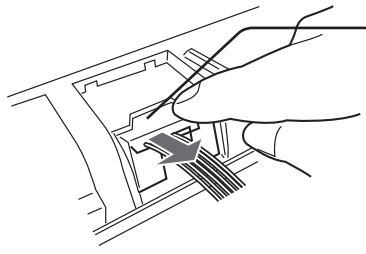
3

① 

Pull up the lever in the direction of the arrow to unlock it.

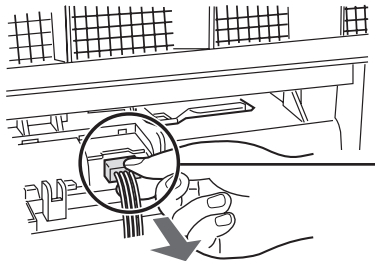
② 

Pull the lever in the direction of the arrow and take out the Plasmacluster Ion Generating Unit.

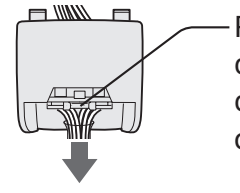
③ 

Remove the connector cover.

(IG-A40E only : 4 pcs)

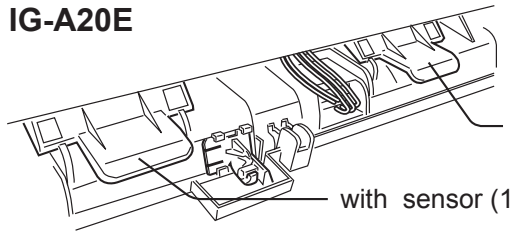
④ 

Disconnect the connector of Plasmacluster Ion Generating Unit.

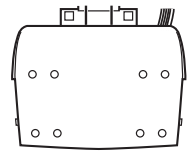


Push and unlock the connector, take out the connector in the direction of the arrow.

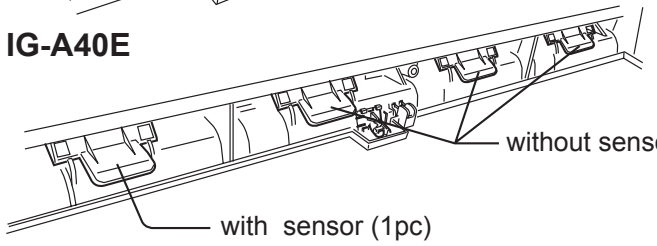
⑤ **IG-A20E**



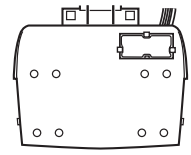
Plasmacluster Ion Generating Unit without sensor.
IG-A20E : 1pc
IG-A40E : 3pcs



IG-A40E

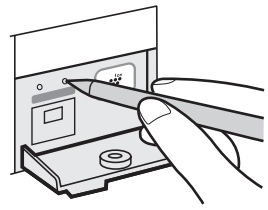


Plasmacluster Ion Generating Unit with sensor.
IG-A20E : 1pc
IG-A40E : 1pc



Reset button for Plasmacluster Ion Generating Unit

After replacing the Plasmacluster Ion Generating Unit, insert the plug and press the UNIT RESET Button for 3 seconds.



SPECIFICATIONS

Model	IG-A20E			IG-A40E		
Power supply	220-240V, 50/60Hz					
Fan speed	HIGH	MED.	LOW	HIGH	MED.	LOW
Power consumption (W)	22	14	9	39	20	10
Operating noise level (dBA)	45	40	34	47	40	34
Airflow volume (m^3/hour)	468	390	306	840	648	510
Applicable floor surface area (m^2) *1	23			50		
Ion density (ions/cm^3) *2	25,000	12,000	7,000	25,000	12,000	7,000
Power cord (m)	2.0					
Outer dimensions (mm)	594(W)×480(H)×230(D)			940(W)×480(H)×230(D)		
Weight (kg)	10.5			15.0		

ENGLISH

*1 The target floor surface area for which an emitted airborne ion density of about 25,000 ions/cm^3 can be measured at a point near the center of the room (at a height of about 1.2m from the floor), during operation at the HIGH mode when the main unit is placed near a wall.

*2 Ions, counted per cm^3, blown into air near the center of the room (at a height of approx. 1.2m from the floor) during operation at each airstream setting when the main unit is placed near the wall.

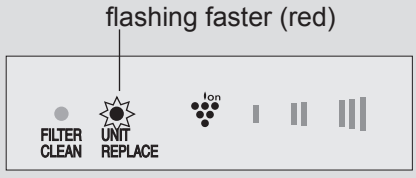
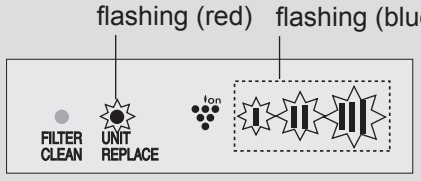
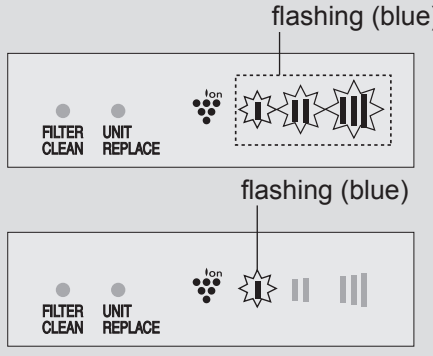
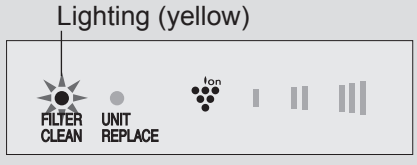
• The number of ions will vary according to the room conditions and operation mode.

Standby Power

In order to operate the electrical circuits while the power plug is inserted in the wall outlet, this product consumes about 0.8W of standby power.
For energy conservation, unplug the power cord when the unit is not in use.

TROUBLESHOOTING

Before calling for service, please review the TROUBLESHOOTING chart below. Since the problem may not be unit malfunction.

Problem	WHAT TO DO
The Plasmacluster Ion Generator does not work.	Make sure to put in the plug.
	Approx. 2 years and 2 month (Approx 19,000 hours) has been passed. Replace with a new Plasmacluster Ion Generating Unit. See page E-8,9,10.
	Plasmacluster Ions are not released. Press the Operation Button and restart. If all lights keep flashing, replace with new Plasmacluster Ion Generating Unit. See page E-8,9,10.
	•Dust may block the filter, clean the filter.
	Failure Unplug and ask the store you purchased or Sharp Sevice Center.
The discharged air has odor.	The Plasmacluster Ion Generator releases a small trace of ozone which may produce odor. This is not detrimental to health.
A clicking or ticking sound comes from the unit while operating the Plasmacluster Ion Generator.	Loudness can be changed depending on a room humidity, but the effectiveness is the same. Relocate the Plasmacluster Ion Generator if necessary.
	Filter cleaning time. See page E-7. After cleaning the filter, press FILTER RESET Button for 3 seconds.
A discontinuous noise is heard. The air flow decreases.	Filter is getting dirty. Clean the filter. After cleaning the filter, press FILTER RESET Button for 3 seconds.

Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.
Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.
*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users.

1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.